

B445 0014  
BMG/cnr**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

Inventors: HABIBI, Babak; PESCARU, Simona, SAMMETI, Mohammad,  
BOCA, Remus Florinel

Title: METHOD AND APPARATUS FOR SINGLE IMAGE  
3D VISION GUIDED ROBOTICS

Filed: Herewith

Date: 5 August 2003

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir/Madam:

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE STATEMENT**

**[Form PTO-1449 (Modified)]**

**United States Patent Documents**

Examiner	ID	Patent No.	Issue Date	Inventor(s)	Class	Sub-Cl	Filing Date
	US: 1	3,986,007	12 Oct 1976	Ruoff, Jr.			
	US: 2	4,146,924	27 Mar 1979	Birk et al.			
	US: 3	4,219,847	26 Aug 1980	Pinkney et al.			
	US: 4	4,305,130	8 Dec 1981	Kelley et al.			
	US: 5	4,334,241	8 Jun 1982	Kashioka et al.			
	US: 6	4,437,114	13 Mar 1984	LaRussa			
	US: 7	4,613,942	23 Sep 1986	Chen			
	US: 8	4,654,949	7 Apr 1987	Pryor			
	US: 9	4,942,539	17 Jul 1990	McGee et al.			
	US: 10	5,696,673	9 Dec 1997	Pryor			
	US: 11	5,956,417	21 Sep 1999	Pryor			
	US: 12	5,959,425	28 Sep 1999	Bieman et al.			
	US: 13	6,044,183	28 Mar 2000	Pryor			
	US: 14	6,141,863	7 Nov 2000	Hara et al.			

US: 15	6,167,607	2 Jan 2001	Pryor			
US: 16	6,211,506	3 Apr 2001	Pryor et al.			
US: 17	6,301,763	16 Oct 2001	Pryor			

### Other Art

Examiner	ID	Author, Title, Date, Pertinent Pages, etc.
	OA: 1	Roger Y. Tsai and Reinarr K. Leuz, "A New Technique for Fully Autonomous and Efficient 3D Robotics Hand/Eye Calibration", <i>IEEE Transactions on Robotics and Automation</i> , Vol. 5, No. 3, June 1989 p. 345
	OA: 2	Zhongguo Zhang, "A Flexible New Technique for Camera Calibration", <a href="http://research.microsoft.com/scripts/pubs/view.asp?TP_ID=MSP_TP_08_71">http://research.microsoft.com/scripts/pubs/view.asp?TP_ID=MSP_TP_08_71</a>
	OA: 3	Guo-Qing Wei, Klaus Arbter, and Gerd Hirzinger, "Active Self-Calibration of Robotic Eyes and Hand-Eye Relationship with Model Identification", <i>IEEE Transactions on Robotics and Automation</i> , Vol 14, No. 1, February 1998 p. 158
	OA: 4	Yuncai Liu, Thomas S. Huang and Olivier D. Faugeras, "Determination of Camera Location from 2-D to 3-D Line and Point Correspondences", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Vol. 12, No. 1, January 1990 p. 28
	OA: 5	Chien-Ping Lu, Gregory D. Hager and Eric Mjolsness, "Fast and Globally Convergent Pose Estimation from Video Images", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Vol. 22, No. 6, June 2000 p. 610
	OA: 6	Thomas Huang, Alfred M. Bruckstein, Robert J. Holt, and Arun N. Netravali, "Uniqueness of 3D Pose Under Weak Perspective: A Geometrical Proof", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Vol. 17, No. 12, December 1995 p. 1220

Examiner: /Modieunel Marc/

Date Considered: 06/11/2008

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance **and** not considered. Include copy of this form with next communication to applicant.